

GenCore version 4.5  
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OM protein protein search, using sw model

Run on: March 12, 2002, 12:48:31 ; Search time 20.79 seconds  
(without alignments)  
10.840 Million cell updates/sec

Title: US-09-801-784-36

Perfect score: 50

Sequence: 1 PSAVALYSP 10

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents-AA\*  
1: /cgn2\_6/plodata/2/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/plodata/2/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/plodata/2/1aa/6A.COMB.pep:\*  
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5: /cgn2\_6/plodata/2/1aa/PTTUS.COMB.pep:\*  
6: /cgn2\_6/plodata/2/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	50	100.0	46	5	PCT-US96-08730-1 Sequence 1, Appl
2	50	100.0	37	2	US-08-460-617-3 Sequence 3, Appl
3	50	100.0	37	2	US-08-460-617-4 Sequence 4, Appl
4	50	100.0	37	5	PCT-US96-08730-15 Sequence 15, Appl
5	44	88.0	36	2	US-08-460-617-2 Sequence 2, Appl
6	44	88.0	36	5	PCT-US96-08730-2 Sequence 2, Appl
7	44	88.0	37	2	US-08-460-617-5 Sequence 5, Appl
8	44	88.0	37	5	PCT-US96-08730-4 Sequence 4, Appl
9	44	88.0	148	5	PCT-US96-08740-10 Sequence 10, Appl
10	44	88.0	171	2	US-08-483-101-10 Sequence 10, Appl
11	42	84.0	37	2	US-08-460-617-5 Sequence 5, Appl
12	42	84.0	37	5	PCT-US96-08730-5 Sequence 5, Appl
13	42	84.0	117	5	PCT-US96-08740-11 Sequence 11, Appl
14	40	80.0	37	5	PCT-US96-08740-3 Sequence 3, Appl
15	40	80.0	147	5	PCT-US96-08740-9 Sequence 9, Appl
16	40	80.0	170	1	US-08-460-749-3 Sequence 3, Appl
17	40	80.0	170	2	US-08-483-101-11 Sequence 11, Appl
18	35	70.0	36	2	US-08-460-617-7 Sequence 7, Appl
19	35	70.0	36	5	PCT-US96-08740-6 Sequence 6, Appl
20	35	70.0	40	5	PCT-US96-08740-12 Sequence 12, Appl
21	35	70.0	51	5	PCT-US96-08740-13 Sequence 13, Appl
22	33	66.0	335	4	US-08-961-084-52 Sequence 52, Appl
23	33	66.0	336	4	US-08-987-121A-4 Sequence 4, Appl
24	33	66.0	336	4	US-09-066-512-2 Sequence 2, Appl
25	33	66.0	1399	4	US-08-462-467B-14 Sequence 14, Appl
26	33	66.0	1495	4	US-08-462-467B-12 Sequence 12, Appl
27	31.5	63.0	3289	2	US-08-477-451-2 Sequence 2, Appl

## ALIGNMENTS

28	41	62.0	48	1	US-08-176-500-56 Sequence 56, Appl
29	41	62.0	48	1	US-08-471-052A-55 Sequence 55, Appl
30	41	62.0	48	1	US-08-189-831-55 Sequence 55, Appl
31	41	62.0	38	2	US-08-471-939-56 Sequence 56, Appl
32	41	62.0	38	2	US-08-471-800-56 Sequence 56, Appl
33	41	62.0	48	2	US-08-471-068-56 Sequence 56, Appl
34	41	62.0	40	5	PCT-US96-08730-14 Sequence 14, Appl
35	41	62.0	170	2	US-08-483-101-4 Sequence 4, Appl
36	41	62.0	414	2	US-08-964-171-1 Sequence 1, Appl
37	41	62.0	657	3	US-08-508-761B-2 Sequence 2, Appl
38	41	62.0	1153	1	US-08-314-917-2 Sequence 2, Appl
39	41	62.0	1153	1	US-08-265-046-2 Sequence 2, Appl
40	41	62.0	1153	2	US-08-465-522-2 Sequence 2, Appl
41	41	62.0	1153	5	PCT-US93-11401-2 Sequence 2, Appl
42	41	62.0	1153	5	PCT-US95-07849-2 Sequence 2, Appl
43	40	60.0	51	3	US-09-018-067A-2 Sequence 2, Appl
44	40	60.0	221	4	US-09-018-067A-8 Sequence 8, Appl
45	40	60.0	284	2	US-08-215-089-7 Sequence 2, Appl

## RESULT 1

PCT-US96-08730-1

Sequence 1, Application PC/TUS9608730

GENERAL INFORMATION:

APPLICANT: Cassels, Frederick

APPLICANT: Anderson, Jeffrey

TITLE OF INVENTION: Methods of Raising Anti-bodies Against B

NUMBER OF SEQUENCES: 15

CORRESPONDENT ADDRESS:

ADDRESS: Glenna Hendricks

STREET: P.O. Box 2509

CITY: Fairfax

STATE: VA

COUNTRY: USA

ZIP: 22031

COMPUTER READING FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC/MS DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/08730

FILING DATE: 03-JUN-1996

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Hendricks, Glenna

REGISTRATION NUMBER: 32,535

REFERENCE/KEY NUMBER: PCT/US96/08730

TELEPHONE: (703) 591-4470

TELEFAX: (703) 591-4470

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 46 amino acids

TYPE: amino acid

STRANESS: single

TOPOLOGY: unknown

MOLECULE TYPE: peptide

HYDROPHILIC: No

ANTI-SENSE: No

FRAGMENT TYPE: Internal

PCT-US96-08730-1

Query Match: 100.0% Score: 50; DB: 5; Length: 46;  
Best Local Similarity: 100.0%; Prev. No.: 0/00041;  
Matches: 10; Conserved: 0; Mismatches: 0; Gaps: 0

07 1 PSAAVALTSP 10  
11111111  
10 26 PSAAVALTSP 65

## RESULT 2

US 08 460 617 4

Sequence 4: Application US/08460617

Patent No. 594414

GENERAL INFORMATION:

APPLICANT: Cassels, Frederick J

TITLE OF INVENTION: Method of Raising Antibodies Against E.

NUMBER OF INVENTION: 0411

NUMBER OF SEQUENCES: 9

REFERENCE/INVENTION ADDRESS:

ADDRESS: Broadbicks and Associates

STREET: 9669 A Main Street

CITY: Fairfax

STATE: VA

COUNTRY: US

ZIP: 22031

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent to be issue #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/460,617

FILING DATE: 02 JUN 1995

CLASSIFICATION: A24

ATTORNEY/AGENT INFORMATION:

NAME: Broadbicks, Gladys

REGISTRATION NUMBER: 42,545

REFERENCE/WORK NUMBER: 008460

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 425 4250

TELEFAX: 703 425 2767

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: amino acid

SEQUENCES: Single

Topology: Linear

MULTIPLE TYPE: Peptide

HYDROPHILIC: NO

ANTISENSE: NO

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: E coli

US 08 460 617 4

Query Match 100.0% Score 50; 108 2; Length 47;  
Best Local Similarity 100.0% Pred. No. 0.0045;  
Matches 10; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

07 1 PSAAVALTSP 10  
11111111  
10 27 PSAAVALTSP 90

## RESULT 3

US 08 460 617 4

Sequence 4: Application US/08460617

Patent No. 594414

GENERAL INFORMATION:

APPLICANT: Cassels, Frederick J

TITLE OF INVENTION: Method of Raising Antibodies Against E.

NUMBER OF INVENTION: 0411

NUMBER OF SEQUENCES: 9

REFERENCE/INVENTION ADDRESS:

ADDRESS: Broadbicks and Associates

STREET: 9669 A Main Street

STATE: VA

COUNTRY: US

ZIP: 22031

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent to be issue #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/460,617

FILING DATE: 02 JUN 1995

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Broadbicks, Gladys

REGISTRATION NUMBER: 42,545

REFERENCE/WORK NUMBER: 008460

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 425 4250

TELEFAX: 703 425 2767

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: amino acid

SEQUENCES: Single

Topology: Linear

MULTIPLE TYPE: Peptide

HYDROPHILIC: NO

ANTISENSE: NO

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: E coli

US 08 460 617 4

Query Match 100.0% Score 50; 108 2; Length 47;  
Best Local Similarity 100.0% Pred. No. 0.0045;  
Matches 10; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent to be issue #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/460,617

FILING DATE: 02 JUN 1995

CLASSIFICATION: A24

ATTORNEY/AGENT INFORMATION:

NAME: Broadbicks, Gladys

REGISTRATION NUMBER: 42,545

REFERENCE/WORK NUMBER: 008460

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 425 4250

TELEFAX: 703 425 2767

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: amino acid

SEQUENCES: Single

Topology: Linear

MULTIPLE TYPE: Peptide

HYDROPHILIC: NO

ANTISENSE: NO

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: E coli

US 08 460 617 4

Query Match 100.0% Score 50; 108 2; Length 47;  
Best Local Similarity 100.0% Pred. No. 0.0045;  
Matches 10; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

07 1 PSAAVALTSP 10  
11111111  
10 26 PSAAVALTSP 65

## RESULT 4

US 08 460 617 4

Sequence 15: Application US/08460617

GENERAL INFORMATION:

APPLICANT: Anderson, Jeffrey

APPLICANT: Anderson, Jeffrey

TITLE OF INVENTION: Method of Raising Antibodies Against E.

NUMBER OF INVENTION: 0411 of the Family CSE-CFA/1

NUMBER OF SEQUENCES: 15

REFERENCE/INVENTION ADDRESS:

ADDRESS: Gladys Broadbicks

STREET: 100 Box 2509

CITY: Fairfax

STATE: VA

COUNTRY: USA

ZIP: 22031

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent to be issue #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/460,617

FILING DATE: 03 JUN 1996

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Broadbicks, Gladys

REGISTRATION NUMBER: 42,545

REFERENCE/WORK NUMBER: 008460

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 425 4250

TELEFAX: 703 425 2767

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: amino acid

SEQUENCES: Single

Topology: Linear

MULTIPLE TYPE: Peptide

HYDROPHILIC: NO

ANTISENSE: NO

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: E coli

US 08 460 617 4

Query Match 100.0% Score 50; 108 2; Length 47;  
Best Local Similarity 100.0% Pred. No. 0.0045;  
Matches 10; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-15

Query Match 100.0% Score 50; DB 5; Length 37;  
Best Local Similarity 100.0%; Prot. No. 0.0045;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 PSVAALITSP 10  
1111111111  
DB 27 PSVAALITSP 36

RESULT 5  
US-08-460-617-2  
Sequence 2, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 9  
TITLE OF INVENTION: Coll  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460.617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: A24  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: C88460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: E coli  
US-08-460-617-2

Query Match 89.0% Score 44; DB 2; Length 37;  
Best Local Similarity 80.0%; Prot. No. 0.059;  
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Q7 1 PSVAALITSP 10  
1111111111  
DB 26 PSVAALITSP 35

RESULT 6  
PCT-US96-08730-2  
Sequence 2, Application PCT/US9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-2

Query Match 88.0% Score 44; DB 5; Length 36;  
Best Local Similarity 80.0%; Prot. No. 0.059;  
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Q7 1 PSVAALITSP 10  
1111111111  
DB 26 PSVAALITSP 35

RESULT 7  
US-08-460-617-2  
Sequence 2, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 9

```

1 CORRESPONDENCE ADDRESS:
2 ADDRESS: Bonds Locks and Associates
3 STREET: 9669 A Main Street
4 CITY: Fairfax
5 STATE: VA
6 COUNTRY: US
7 ZIP: 22031
8 COMPUTER RELEVABLE FORM:
9 MEDIA TYPE: floppy disk
10 OPERATING SYSTEM: pc/dos/ms dos
11 SOFTWARE: Patent to Release #1.0, Version #1.25
12 CURRENT APPLICATION DATA:
13 APPLICATION NUMBER: US/09/440,617
14 FILING DATE: 02 JUN 1996
15 CLASSIFICATION: 424
16 ALIASES/AGENTS INFORMATION:
17 NAME: Bonds Locks, Glendon
18 REGISTRATION NUMBER: 42,545
19 REFERENCE/BOOKET NUMBER: 608400
20 TELECOMMUNICATION INFORMATION:
21 TELEPHONE: 703-425-4250
22 TELEFAX: 703-425-2767
23 INFORMATION FOR SEQ 10 NO: 1
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 47 amino acids
26 TYPE: amino acid
27 STRANDNESS: single
28 POLARITY: linear
29 MOLECULE TYPE: peptide
30 HYDROPHILIC: no
31 ANTI-SENSE: no
32 FRAGMENT TYPE: N terminal
33 ORIGINAL SOURCE:
34 ORGANISM: E coli
35 US 09 460 617 1
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37 QUERY MATCH 88.0% Score 44: 106.2 Length 47:
38 Host Local Similarity 80.0% Ident. No. 0,061:
39 Matches 82: Conserved 42: Mismatches 0: Indels 0: Gaps 0:
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Query Match 88.0% Score 44: 1b 5: Length 148:  
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Matches 8: Conservative 2: Mismatches 0: Indels 0: Gaps 0:

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1:11111111  
1b 26 PMSVALTYSP 35

## RESULT 10

US-08-483-101-10  
Sequence 10: Application US/08483101  
Patent No. 5932715  
GENERAL INFORMATION:  
APPLICANT: Scott, June K.  
APPLICANT: Froehlich, Barbara  
APPLICANT: Garon, Judy  
TITLE OF INVENTION: CS2 Proteins and Coding Sequences  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Greenlee and Wimmer, P.C.  
STREET: 5370 Manhattan Circle, Suite 201  
CITY: Boulder  
STATE: Colorado  
COUNTRY: US  
ZIP: 80303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/483,101  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Felder, Donna M.  
REGISTRATION NUMBER: 33878  
REFERENCE/DOCKET NUMBER: 6-95  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 499-8080  
TELEFAX: (303) 499-8089  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 171 amino acids  
TYPE: amino acid  
STRANDNESS:  
TOPOLOGY: unknown  
MOLECULAR TYPE: protein  
HYPOTHETICAL: NO  
US-08-483-101-10

Query Match 88.0% Score 44: 1b 2: Length 171:  
Best Local Similarity 80.0% Pred. No. 0.35:  
Matches 8: Conservative 2: Mismatches 0: Indels 0: Gaps 0:

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1:11111111  
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## RESULT 11

US-08-460-617-6  
Sequence 6: Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J.  
APPLICANT: Froehlich, Barbara  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
COLI  
NUMBER OF SEQUENCES: 9

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 424

## ATTORNEY/AGENT INFORMATION:

NAME: Hendricks, Gloria  
REGISTRATION NUMBER: 42,545

REFERENCE/DOCKET NUMBER: 68460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767

INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 67 amino acids  
TYPE: amino acid  
STRANDNESS: single  
TOPOLOGY: linear  
MOLECULAR TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGIN: SOURCE:  
ORGANISM: E coli

US-08-460-617-6

Query Match 84.0% Score 42: 1b 2: Length 67:  
Best Local Similarity 80.0% Pred. No. 0.14:  
Matches 8: Conservative 1: Mismatches 0: Indels 0: Gaps 0:

QY 1 PSVAALTYSP 10  
1:11111111  
1b 26 PMSVALTYSP 35

## RESULT 12

US-08-087-60-5  
Sequence 5: Application US/08087605  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
COLI OF THE FAMILY ESE-CPA/1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gloria Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/087,605  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
 NAME: HONDI, GLENDA  
 REGISTRATION NUMBER: 42,545  
 REFERENCE/BOOK NUMBER: PCT/US96/08740  
 FIELD COMMUNICATION INFORMATION:  
 TELEPHONE: (703) 591 4470  
 TELEFAX: (703) 591 4428  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 47 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MODIFIER TYPE: peptide  
 HYDROPHOBIC: No  
 ANTI SENSE: No  
 FRAGMENT TYPE: internal  
 PCT US96 08740 5

Query Match 84.0% Score 42, 108 52 Length 47  
 Best Local Similarity 80.0% Prod. No. 0.14  
 Matches 82 Conservative 11 Mismatches 11 Indels 02 Gaps 02

57 1 PSAAVATYSP 10  
 111 11111  
 10 20 PSAAVATYSP 45

RESULT 14  
 PCT US96 08740 11  
 Sequence 11, Application PCT/US96/08740  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 APPLICANT: Carter, John Mark  
 TITLE OF INVENTION: Methods of Raising Antibodies Against F.  
 NUMBER OF SEQUENCES: 15  
 ADDRESS/AGENT INFORMATION:  
 ADDRESS: Glenda Bondicks  
 STREET: P.O. Box 2509  
 CITY: Fairfax  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22031  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08740  
 FILING DATE: 03 JUN 1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Bondicks, Glenda  
 REGISTRATION NUMBER: 42,545  
 REFERENCE/BOOK NUMBER: PCT/US96/08740  
 FIELD COMMUNICATION INFORMATION:  
 TELEPHONE: (703) 591 4470  
 TELEFAX: (703) 591 4428  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 117 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MODIFIER TYPE: peptide  
 HYDROPHOBIC: No  
 ANTI SENSE: No  
 FRAGMENT TYPE: internal  
 PCT US96 08740 11

Query Match 84.0% Score 42, 108 52 Length 117  
 Best Local Similarity 80.0% Prod. No. 0.14  
 Matches 82 Conservative 11 Mismatches 11 Indels 02 Gaps 02

57 1 PSAAVATYSP 10  
 111 11111  
 10 20 PSAAVATYSP 45

RESULT 14  
 PCT US96 08740 4  
 Sequence 5, Application PCT/US96/08740  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 APPLICANT: Carter, John Mark  
 TITLE OF INVENTION: Methods of Raising Antibodies Against F.  
 NUMBER OF SEQUENCES: 15  
 ADDRESS/AGENT INFORMATION:  
 ADDRESS: Glenda Bondicks  
 STREET: P.O. Box 2509  
 CITY: Fairfax  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22031  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08740  
 FILING DATE: 03 JUN 1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Bondicks, Glenda  
 REGISTRATION NUMBER: 42,545  
 REFERENCE/BOOK NUMBER: PCT/US96/08740  
 FIELD COMMUNICATION INFORMATION:  
 TELEPHONE: (703) 591 4470  
 TELEFAX: (703) 591 4428  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 47 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MODIFIER TYPE: peptide  
 HYDROPHOBIC: No  
 ANTI SENSE: No  
 FRAGMENT TYPE: internal  
 PCT US96 08740 4

Query Match 80.0% Score 40, 106 52 Length 47  
 Best Local Similarity 80.0% Prod. No. 0.42  
 Matches 82 Conservative 02 Mismatches 22 Indels 02 Gaps 02

57 1 PSAAVATYSP 10  
 111 11111  
 10 20 PSAAVATYSP 45

RESULT 14  
 PCT US96 08740 4  
 Sequence 5, Application PCT/US96/08740  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 APPLICANT: Carter, John Mark

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: TITLE OF INVENTION: Methods of Raising Antibodies Against E.
: TITLE OF INVENTION: Col1 of the Family CSF-CFA./1
: NUMBER OF SEQUENCES: 15
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Glenda Hendricks
: STREET: P.O. Box 2509
: CITY: Fairfax
: STATE: VA
: COUNTRY: USA
: ZIP: 22031
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent to Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US96/08730
: FILING DATE: 03-JUN-1996
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Hendricks, Glenda
: REGISTRATION NUMBER: 42,535
: REFERENCE/POCKET NUMBER: PCT/US96/08730
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703) 591-4470
: TELEFAX: (703) 591-4428
: INFORMATION FOR SEQ ID NO: 9:
: SOURCE CHARACTERISTICS:
: LENGTH: 147 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: unknown
: MOLECULE TYPE: peptide
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: FRAGMENT TYPE: internal
: PCT-US96-08730-9

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Query Match      80.0%  Score 40; 18 5;  Length 147;
Best Local Similarity 80.0%  Pred. No. 1.6;
Matches      8;  Conservative  0;  Mismatches  2;  Indels  0;  Gaps  0;
QY      1  PSAVAITYSP 10
      111111111
100     26  PSAVAITYSP 45

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Search completed: March 12, 2002, 12:48:31  
 Job time: 311 sec

